

Abstract

A thermal ink jet printhead with an array of nozzles 3, each nozzle having heater elements 10 disposed in a bubble forming chamber 7. The bubble forming chambers 7 having circular cross sections. For example, the chambers 7 are cylindrical, spherical, barrel-shaped or truncated cone shaped. The circular cross sections have enhanced structural strength that better withstands the pressure transients in the bubble forming liquid during droplet ejection.

Fig. 22